





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of GOYAL ET AL.

Serial No.:

Filed: HEREWITH

Attorney File: NOVA 9227 $\omega \omega \omega \omega \omega \omega \omega$

Group Art Unit:

Examiner:

POLYMER COPNTROL THROUGH CO-CATALYST

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

This document and the attachments hereto are presented in accordance with the requirements of 37 CFR § 1.56. Below is listed information which may be material to the cited application and, which the examiner may deem important and wish to consider in conjunction with the examination of the cited application. The relevance of the information is a subjective test and its submission here may be based on the fact the information provides background or in some manner relates to subject matter disclosed or claimed in the cited application. The submission of information herewith is not intended to be, nor is it an admission either directly or indirectly that all or any portion of said information is prior art as to any aspect of the invention(s) disclosed or claimed in the cited application. A copy of each reference is enclosed herewith. (See attached substitute for Form 1449A PTO)

Respectfully Submitted

Kenneth H. Johnson

ATTORNEY FOR APPLICANT

Reg. No. 22,966 P.O. Box 630708

Houston, Texas 77263 TEL: (713) 780-7047 FAX: (713) 780 7671

 Please 	type a	plus sign	(+) inside	this box



Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known						
Shivendra Kumar Goyal						
NOVA 9227						

				U.S. PATENT DOCUM	MENTS	
Examiner Initials	Cite No.1	U.S. Patent D	Nocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,779,71	2	Calvert et al.	12/18/73	Class 23/288E Sub
		4,252,67	70	Caunt et al.	02/24/81	Class 252/429B Sub
		4,302,56	55	Goeke et al.	11/24/81	Class 526/88 Sub
		4,302,56	6	Karol et al.	11/24/81	Class 526/125 Sub
	_	4,543,39		Jenkins, III et al.	09/24/85	Class 526/70 Sub
	-	4,588,79		Jenkins, III et al.		Class 526/70 Sub
		RE 33,68		Allen et al.	09/03/91	Class 502/107 Sub
		5,352,74		DeChellis et al.	10/04/94	Class 526/68 Sub
		5,436,30)4	Griffin et al.	07/25/95	Class 526/68 Sub
		5,633,41		Spencer et al.	05/27/97	Class 585/522 Sub
		6,140,26	54	Kelly et al.	10/31/00	Class 502/104 Sub

				FOR	EIGN PATENT DOCUMEN	rs		
Examiner Initials	Cite No.1	Office ³	Foreign Patent Docum	ent Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Le
	·	CA	2,193,758 A		Union Carbide	07/05/97		
		EP	0659773 B1		Union Carbide	08/19/98		
	*	EP	0595574 B1		BP Chemicals	01/02/97		
	ŧ	WO	01/05845 A1		Union Carbide	01/25/01		+
								\Box
-		\vdash						

Examiner		Date	
Signature	1	Considered	
Cignataro			

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under MPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please	type	а	plus	sign	(+)	inside	this	box	
--------	------	---	------	------	-----	--------	------	-----	--



Approved for use through 10/31/2002 OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

e for form 1449B/F	то		Complete if Known			
	-		Application Number			
DRMATIC	ום אכ	SCLOSURE	Filing Date			
TEMENT	BY	APPLICANT	First Named Inventor	Shivendra Kumar Goyal		
	.		Group Art Unit			
(use as man	y sh ee ts	as necessary)	Examiner Name			
2	of	2	Attorney Docket Number	NOVA 9227		
	DRMATIC TEMENT	TEMENT BY	DRMATION DISCLOSURE TEMENT BY APPLICANT (use as many sheets as necessary)	Application Number Filing Date First Named Inventor (use as many sheets as necessary) Application Number Filing Date First Named Inventor Group Art Unit Examiner Name		

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Γ ²
	V	J.B. PERI and A.L. HENSLEY, JR., The Surface Structure of Silca Gel, The Journal of Physical Chemistry, Vol. 72, No. 8, August, 1968, pages 2926-2933.	
			_
Examine Signature		Date Considered	

Examiner		Date	
Signature		Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.